

ABSTRACT

The present invention discloses a flat fluorescent lamp which improves discharge efficiency and luminance with an increase of a current density per discharge channel by forming multiple discharge channels of an independent serpentine layout and an exhaust channel and minimizes non-light emitting regions caused from the external electrode. The flat fluorescent lamp comprises: side walls for forming closed spaces between a front substrate and a rear substrate; partitions formed on the rear substrate and for forming multiple discharge channels of an independent serpentine layout; an exhaust channel formed on the rear substrate, connected to the respective discharge channels and used for vacuum exhaustion or discharge gas injection; and discharge electrodes arranged on both opposite ends of the starting and ending points of the multiple discharge channels of an independent serpentine layout and for discharging the discharge channels in parallel.